Integration method (with replacement of go omissions)

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An abbreviated version of this protocol was published in eLIFE in Apr 2019

A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task

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Detailed protocol

This article is accompanied by novel open-source resources that can be used to execute a stop-signal task and analyze the resulting data, in an easy-to-use way that complies with our present recommendations (see the 'STOP-IT' folders on https://osf.io/rmqaw/).

This code (written in R) can be adjusted to analyse the data from different programs (see the Tscope subfolder for an example).

The source code of the simulations (Appendices 2–3) is also provided, and can be used in the planning stage (e.g. to determine the required sample size under varying conditions, or acceptable levels of go omissions and RT distribution skew).

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Verbruggen, F. (2020). Integration method (with replacement of go omissions). Bio-protocol Preprint. bio-protocol.org/prep250.
2. Verbruggen, F., Aron, A. R., Band, G. P., Beste, C., Bissett, P. G., Brockett, A. T., Brown, J. W., Chamberlain, S. R., Chambers, C. D., Colonius, H., Colzato, L. S., Corneil, B. D., Coxon, J. P., Dupuis, A., Eagle, D. M., Garavan, H., Greenhouse, I., Heathcote, A., Huster, R. J., Jahfari, S., Kenemans, J. L., Leunissen, I., Li, C. R., Logan, G. D., Matzke, D., Morein-Zamir, S., Murthy, A., Paré, M., Poldrack, R. A., Ridderinkhof, K. R., Robbins, T. W., Roesch, M., Rubia, K., Schachar, R. J., Schall, J. D., Stock, A., Swann, N. C., Thakkar, K. N., van der Molen, M. W., Vermeylen, L., Vink, M., Wessel, J. R., Whelan, R., Zandbelt, B. B. and Boehler, C. N.(2019). A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task. eLIFE. DOI: 10.7554/eLife.46323

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